

Title (en)  
SURFACE MODIFIED CARBON BLACK

Title (de)  
OBERFLÄCHENMODIFIZIERTER RUSS

Title (fr)  
NOIR DE CARBONE A SURFACE MODIFIEE

Publication  
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Application  
**EP 02749803 A 20020703**

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Abstract (en)  
[origin: US6402825B1] The invention provides a surface modified carbon black and method for production. The surface modified carbon black is produced by reacting self-dispersing or oxidized carbon with a steric inducing compound via an organic acid halide intermediary. The steric inducing compounds are substantially soluble in the organic components of an ink composition and are reactive with an organic acid halide. Electrostatic and steric stability are provided by the surface modified carbon black. The surface modified carbon black exhibits solubility in aqueous and organic media and exhibits excellent resistance to coagulation within an ink jet printhead.

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